



MISSOURI BOTANICAL GARDEN

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GEORGE ENGELMANN BOTANICAL NOTEBOOKS

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101 Sapotaceae



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MISSOURI
BOTANICAL
GARDEN

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MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

Lee 1738
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jeugd *magazijn*



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3) Bunelia pauciflora, n. sp. A shrub of scraggy growth with short stout axillary spines on growing shoots. The branches often terminating in spines; leaves small (livid by, & $\frac{1}{4}$ in. wide) narrowly spatulate very obtuse, tapering into a very short inconspicuous petiole, smoothish on the upper, soft hairy on the under surface; white flowers 2 to 5 in small clusters, about as long as their pedicel; only a hairy, appendages of the corolla awl-like, didymous, staminodia a little longer, similar, both shorter than the oblong corolla lobes, ovary silky.

In ravines of the Santa Catalina Mountains in South Arizona; fl in June. C. G. Pringle. - Similar to the small-leaved form of B. lycooides which extends up the Rio Grande in West Texas, but easily distinguished from it by the hairiness of leaves and ovary; and from all our species by the ~~few-flowered~~ ^{stony} clusters the small number of flowers in a cluster, the only species with which it may be really allied, is B. lanuginosa of which it may possibly be a small-leaved, few-flowered western form. It is the only Bunelia thus far discovered west of the Rio Grande.



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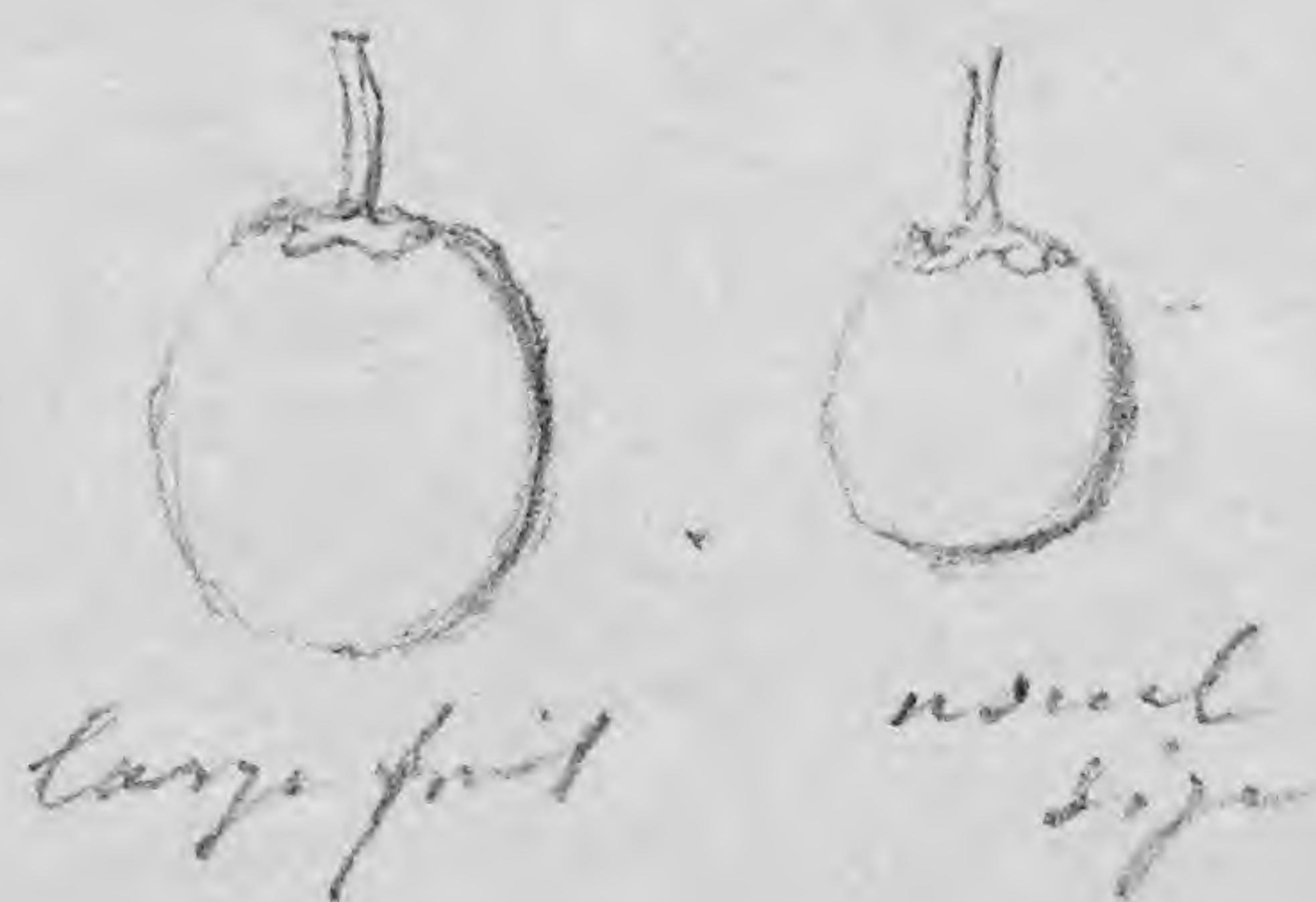


MISSOURI
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Psammodia canescens

Feb 1878

on the Memphian Hills, Letterman



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ARTHUR T. HOLLISTER,
Druggist,

301 South Fifth, S. W. Cor. 5th & Myrtle, St. Louis, Mo.

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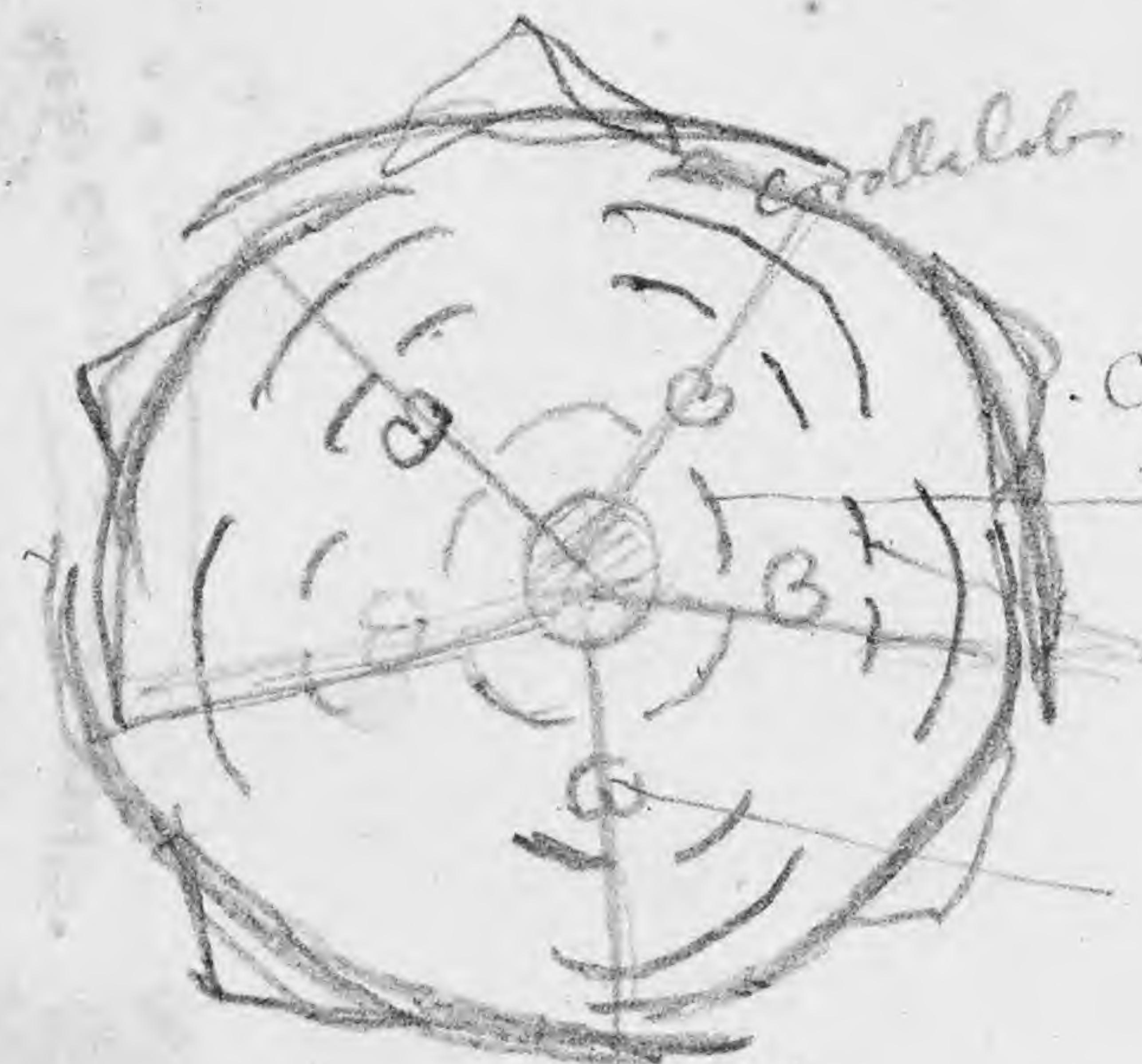
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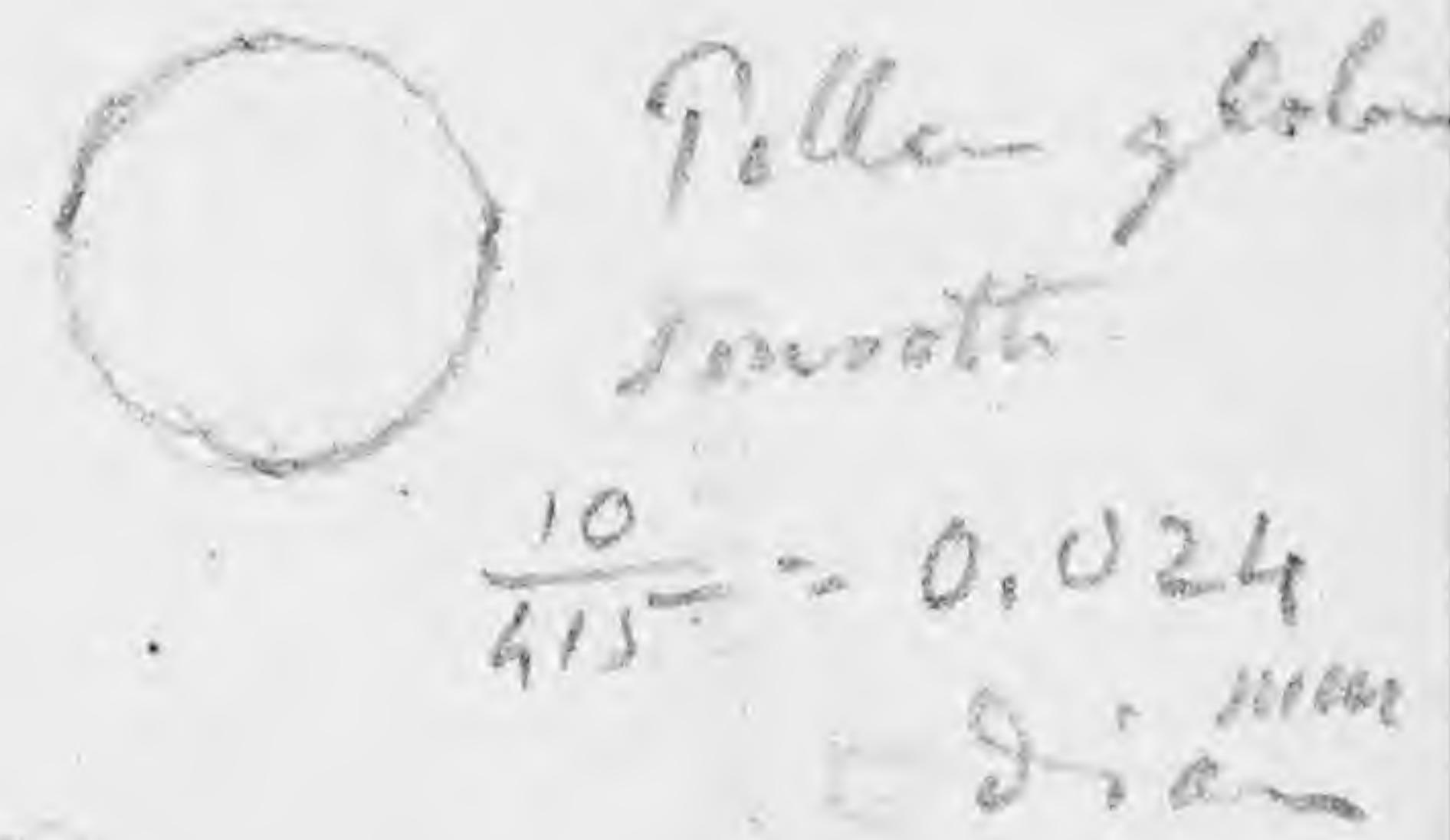
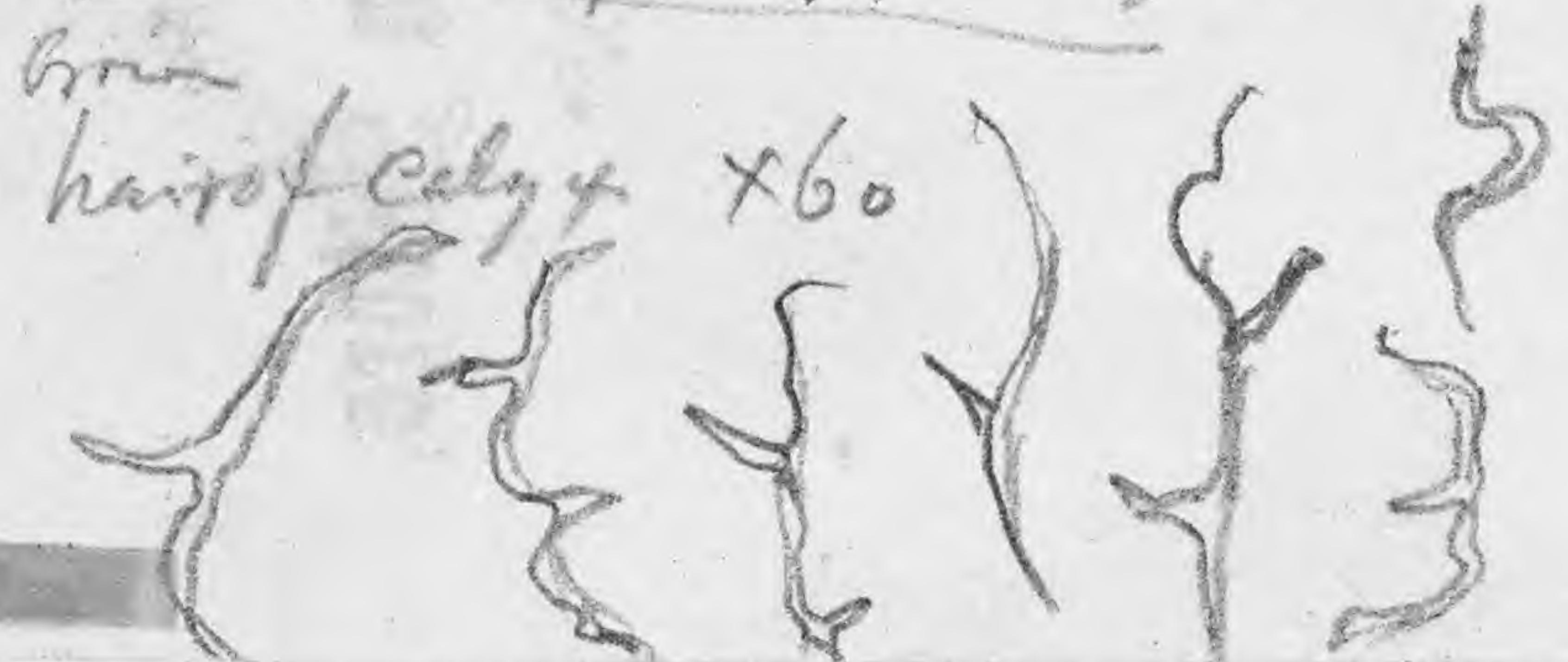
Browneiella lasioglossum
M. W. Moore

July 22 1878

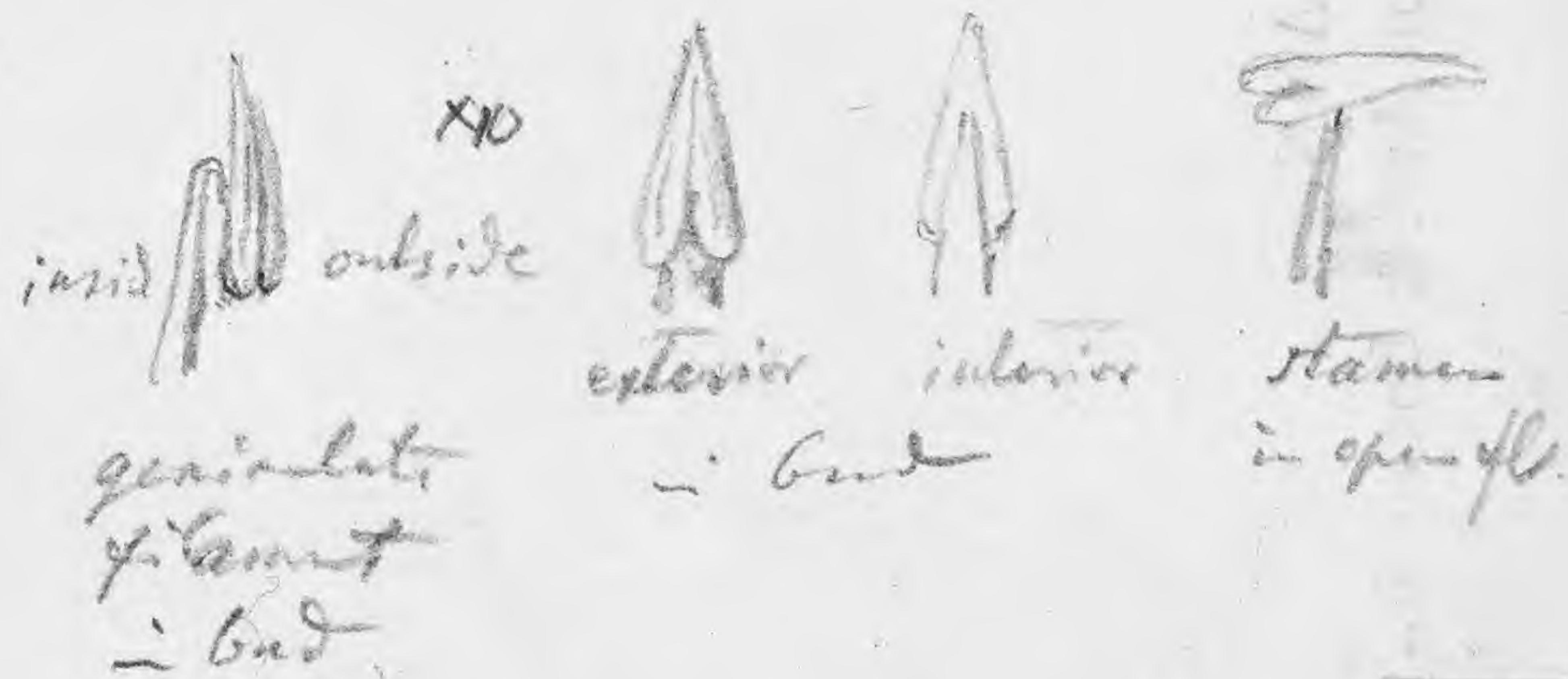


thus the corolla has 5 stamens
and 20 lobes of different form.

2. are the regular Corolla lobes
3 pair of appendages



2: inner
appendages



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GEO. B. FRESE & CO'S,
No. 3005 Olive Street,
Near Garrison Av. St. Louis.

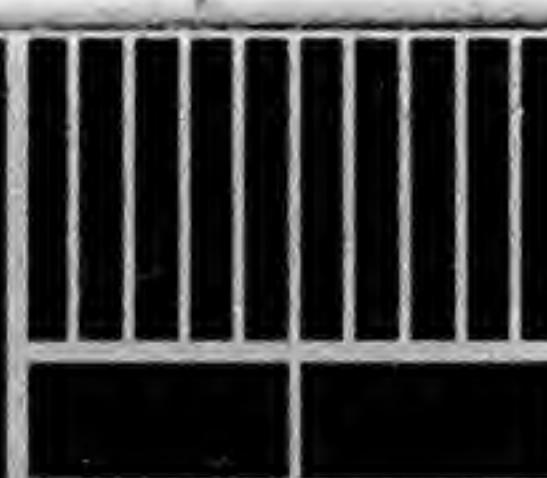


Prescription Store,
St. Louis.

Prescription Store,
St. Louis.

Prescribed by

DR. GEO. ENGELMANN,
N. W. Cor. Garrison Ave. & Locust St.



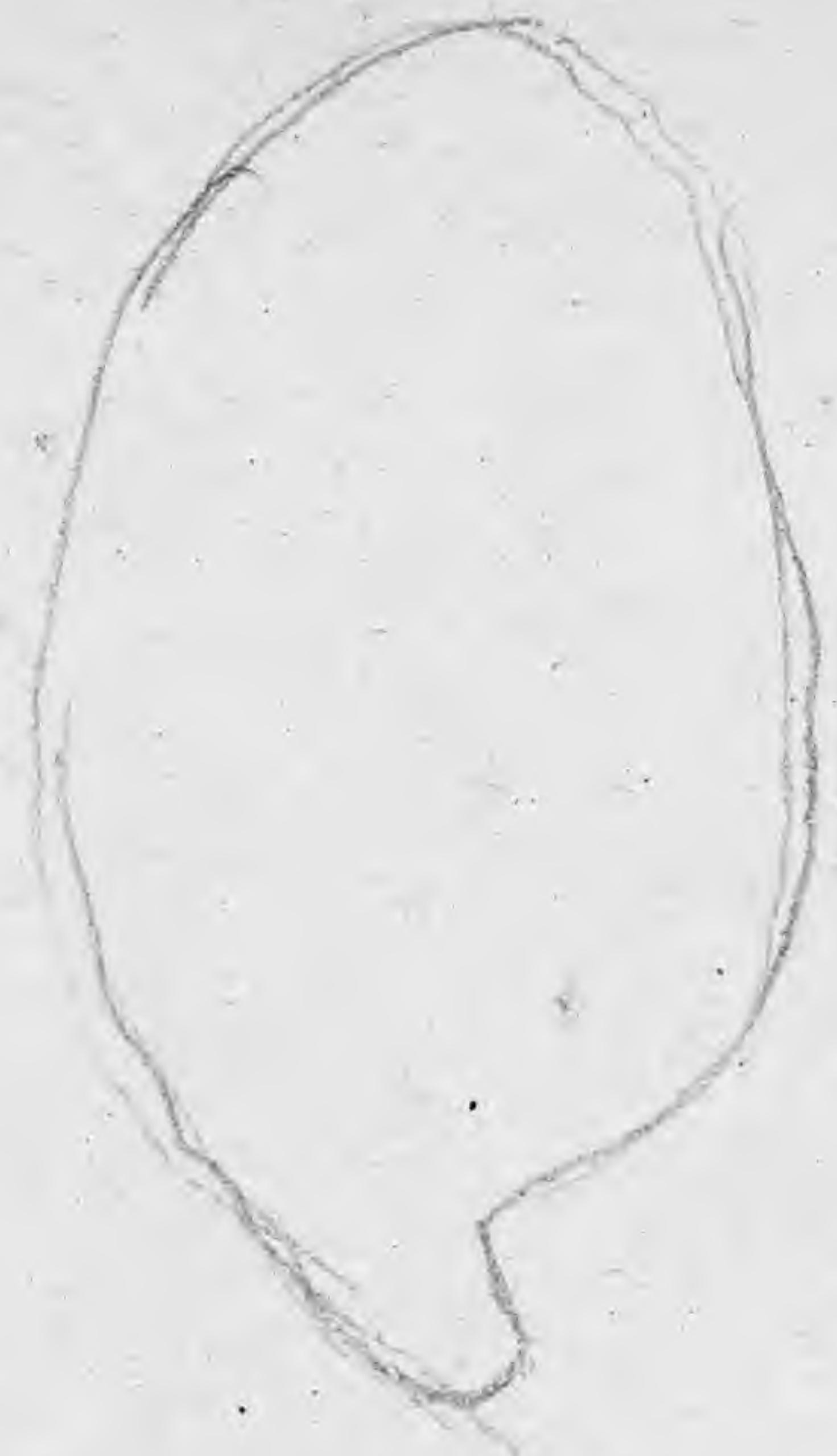
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Bunuliu prox Chobell 2-28-1221
Gregg No. B. cuneata f. I. Gray



embryo (or album)

Longitudinal section of embryo



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ANEX. Feitg.
APOTHECARY & CHEMIST,

Cor 4th & Olive Sts. St. Louis.

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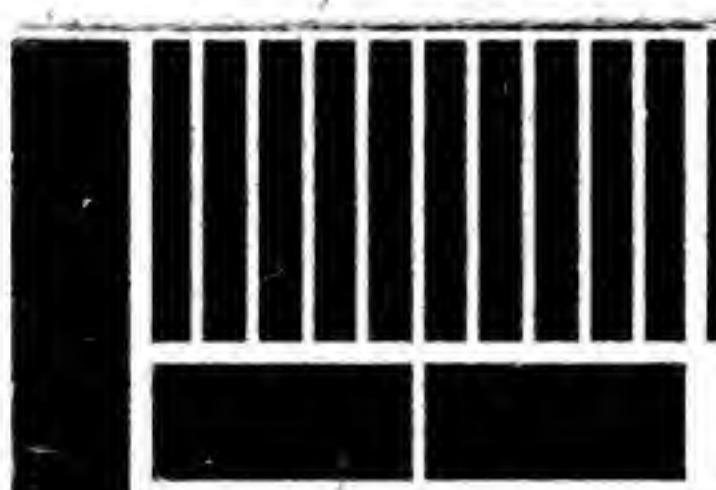
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1-5

99 Primulaceae



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Androsace carinata Torr

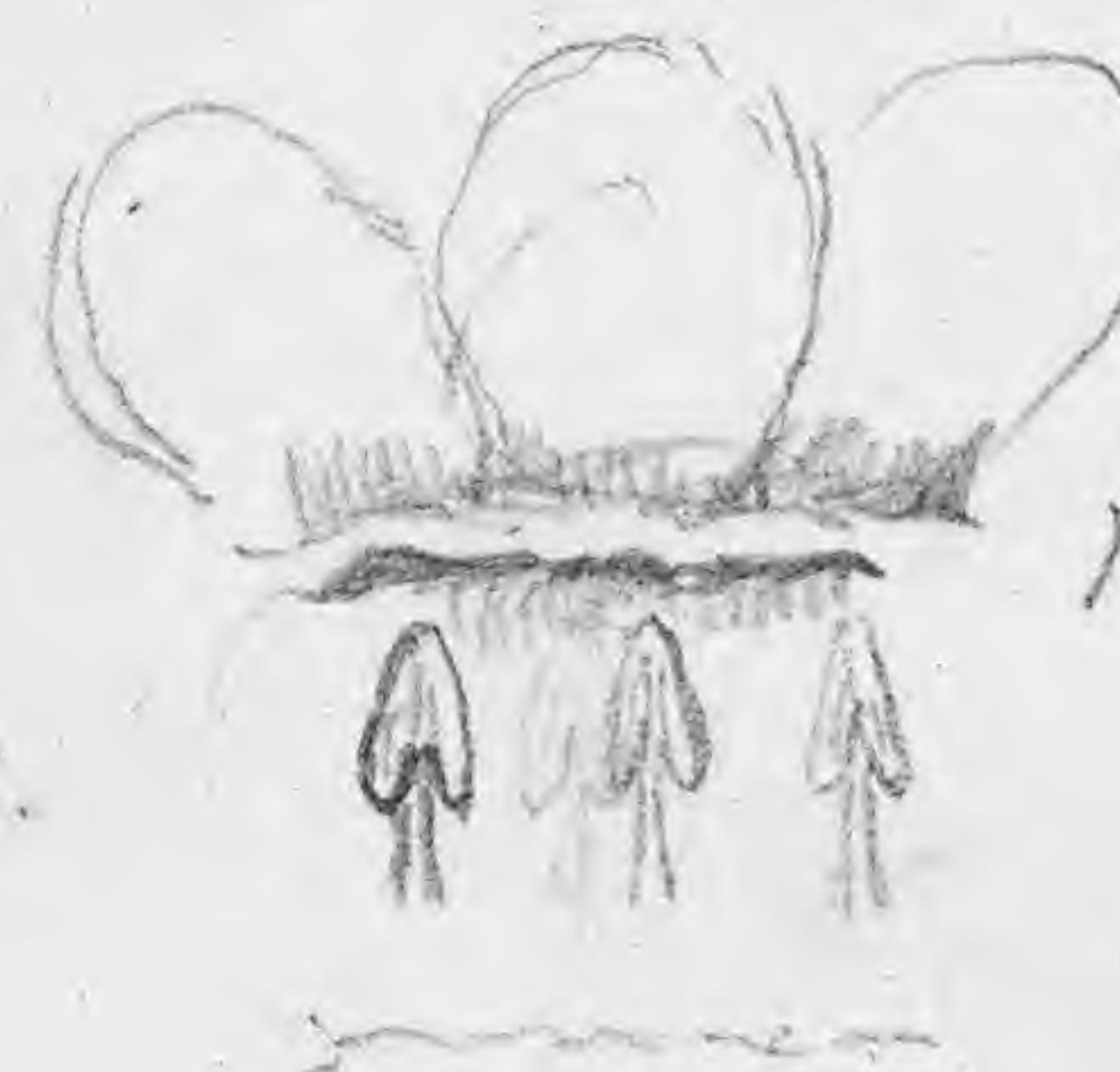
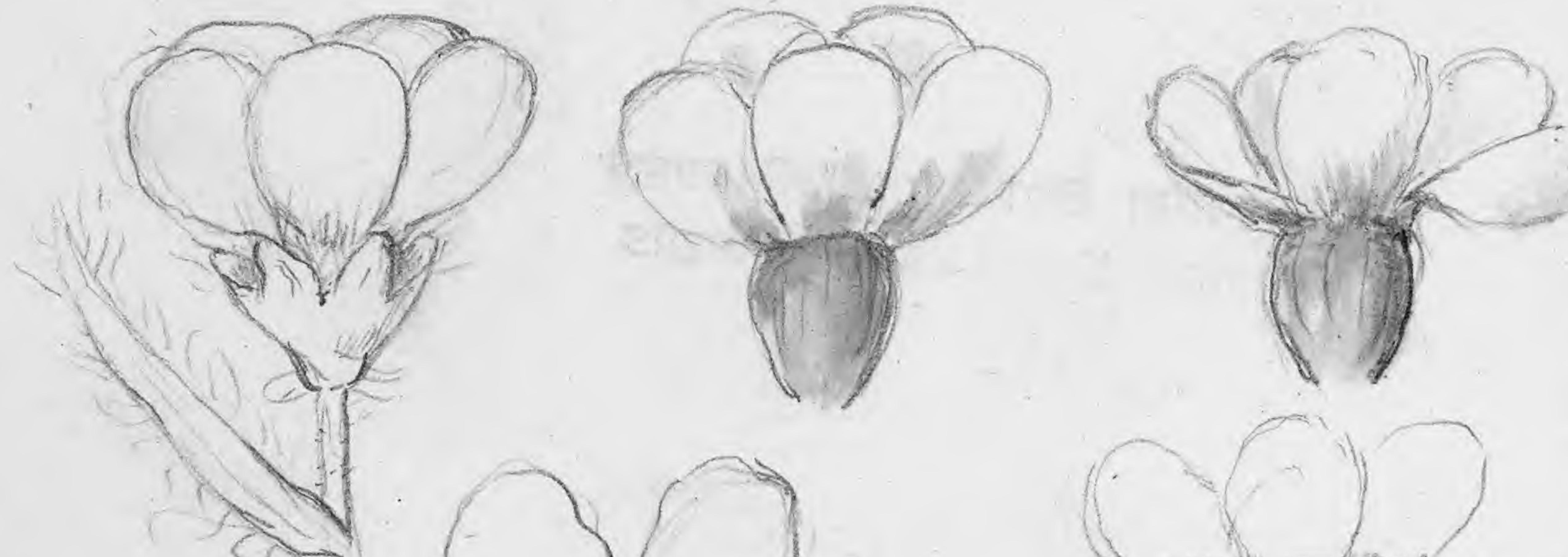
July 17 1862

× 4

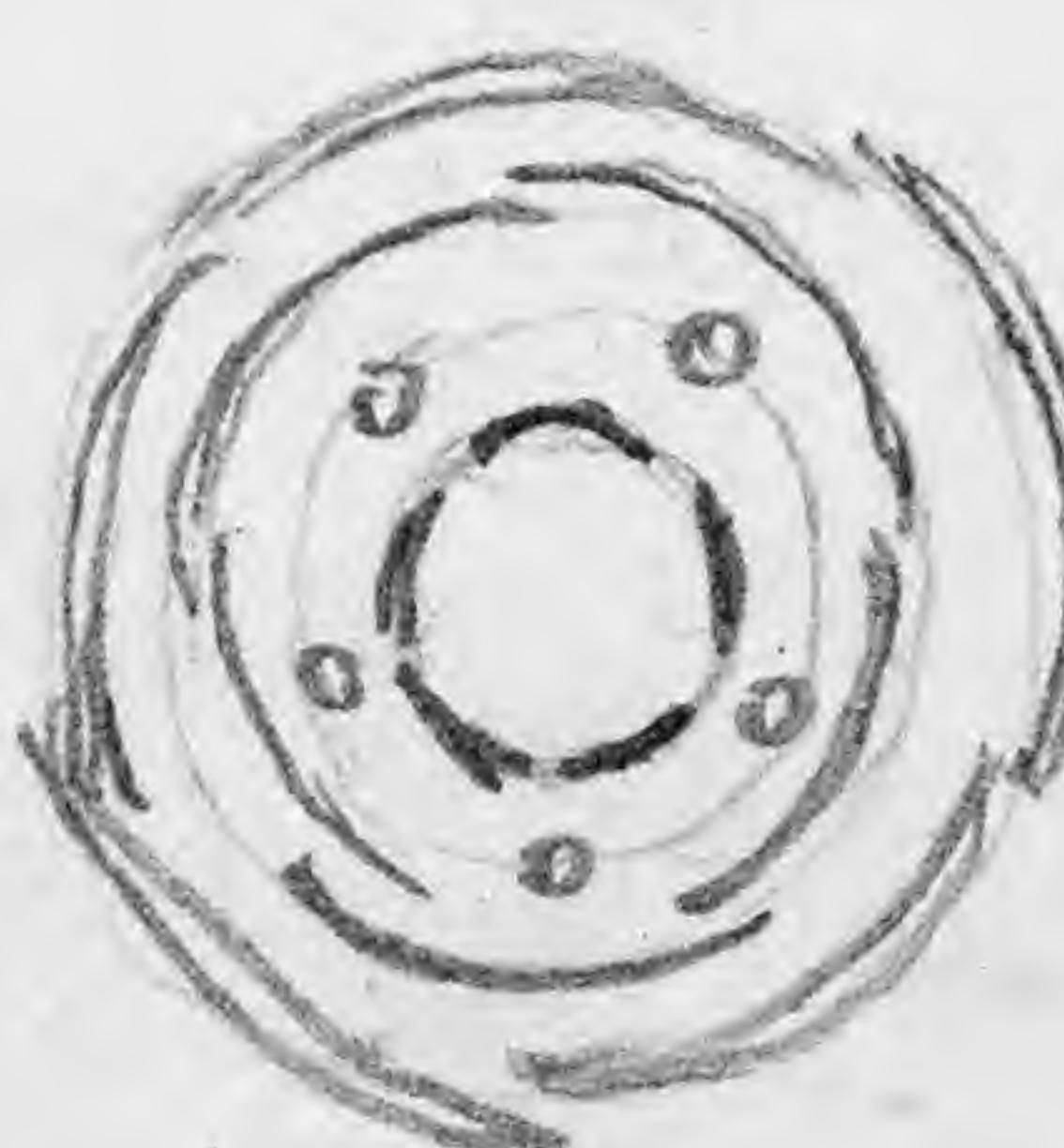
Torrey 1862

Androsace NY. I p. 30 t 3. f 1

= *Chamaezissem*



fornix glandulosi
contractus



5 obtuse
valves

fruit open
of last year.



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ALEX. LEITCH,
APOTHECARY & PHARMACEUTIST
Marble Building Cor. Fourth & Olive Sts. St. Louis, Mo.

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x60



Gobionum Persicum

Feb 1860

ova

no funicular, no spiral
villi



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cm

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ALEX. LETTCE,
APOTHECARY & PHARMACEUTIST
((ALEX. LETTCE.))



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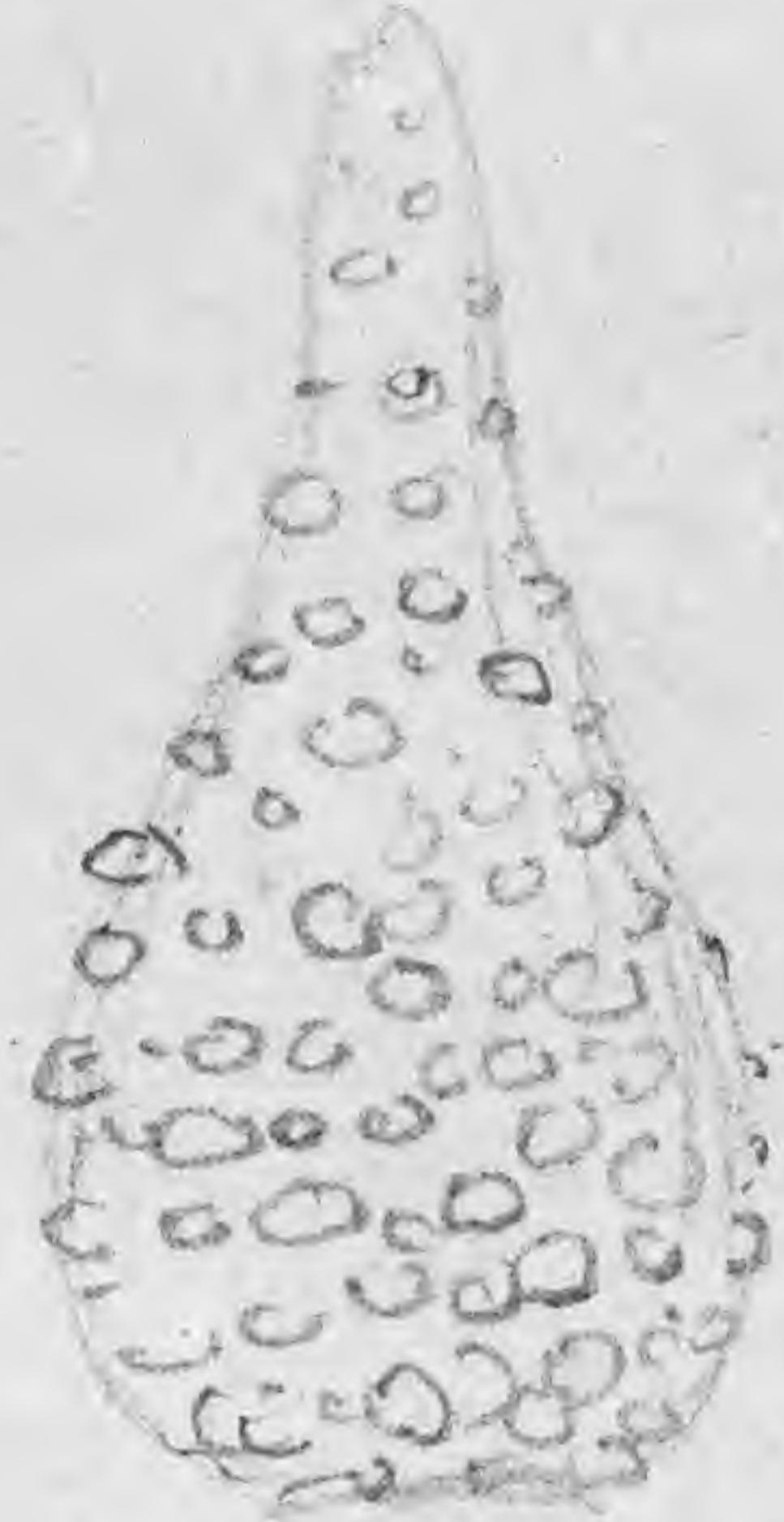
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$\times 412$

Pollen dry



top view



outside anther inside
purple tubercles yellow

Cyclamen Persicum

$\times 412$

Pollen moistened



Febr 1868



side view

a upper part of inner
face often in separated
half way down, entire
(both halves remaining
united)



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cm

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Jan 63

Primula ~~decalbata~~ n. sp.

378. Hell & Harbour 1862

foliis integris s. subintegris alteris
fl. dense fuscis.

florib. capitatis, subcervicibus
calyx cylindrici fuscis; lobi obtusis
tubus corollae aequaliter, lobi
rotundatae ⁱⁿ *analis brevibus* *acute-*
obtusis.

P. farinosa : *fl. dense fuscis, pedicellis*
aliquantibus *cylindrico - oblongis*
tubus corollae vix exserto

P. Scotica *fl. integris caly-*
pedicellis cylindricis subcervicibus
obtusis s. eum subaequaliter
tubus corollae dimidi exerto
(var. of *P. farinosa* DC Prodr. 8. 44)

P. decipiens Debil (DC Prodr. 8. 44)

fl. & petiole vix constans; florib. corollae
cylindrici compunctis 5-6 oblongatis
florib. sessiles cf. *P. Meyleanica* var



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O. magallanica Dab. only & campen

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Car. Fifth & Market Sts. St. Louis, Mo.
JONES & LEITCH
ANTIQUARIUS




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Utricularia in Vienn
Shyloc meeting house 11 June 1834
2" lvs, bluish & lvs - & wptl, dimly, n.
Horned (-) place, pastur) with bls.
very bls. W. Schlecht

Common, Slovens
fresh water.



zo de Cuba

Utricularia
fornicata ?
V. 1834
de Cuba
in S. America
as well as in



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cm

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
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On Ch



Habenaria herbicola A.Dr.

Orchids, Creekbottom Matairy

4 Jun. 1833

Diff. in ab ~9 mm

Copy after Orchidace

Habenaria herbicola B.M.

Copy after Orchidace



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cm

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Samolus Valerandi L

37 same 3 formum in hysp. 2

1. *europaeus*, erectus, floribus, fructibus, et seminib;
pedunculis majoribus, lacinia calycis
erectis, fructif. tubo brevioribus, catulis
cylindricis, capsula lata segmentibus.

2. *Missouriensis*, patulus, fl. fruct. sem. mikonis
ped. fructif. lacinia calycis fructif. tubo ~~longo~~
patentibus brevioribus, auctis, capsula breviori
bus —

3. *Cedronianus*, patulus, fl. fr. sem. intermediae
ped. fr. pat. lacinia calycis fructif. tuba sub-
verte.



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subaequantibus, obtusis, capsula sub-
brevioribus.

New Orleans.

Sprangl pub in Annals Botanics and
New Jersey — of *G. interpres*
pedunculata ~~bractealis~~;
all dried above by Fire Job
ped. bractealis.

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Samoës

1. Stolonifera; europaeus . erectus, strictus,
floribus, fructibus et seminibus majoribus
caulinis olypis fructiferis, tubo brevioribus
late triangularibus, auctius ciliis
capsulae superantesibus. pedunculi patens
erectus

France & Germany

2. ludovicianus patens, flor. fruct. 3cm.
internodis, caulinis olypis fructiferis
fulum subaequantibus, obtusis,
capsulae subbrevioribus
pedunculi patens patens

New Orleans

3. missouriensis patens, flor. fruct. 3cm.
minoribus, caulinis olypis fructiferis
tubo duplo ~~et auctius~~, auctius,
capsulae brevioribus. pedunculi fructi-
patens

St Louis

Samoës americanus Sprng from New Jersey
differs from all others by the pedicels
erectate — all the 3 others have
them in the middle erectate, is it
the same as S. errectatus from Cuba
(Bonpland)



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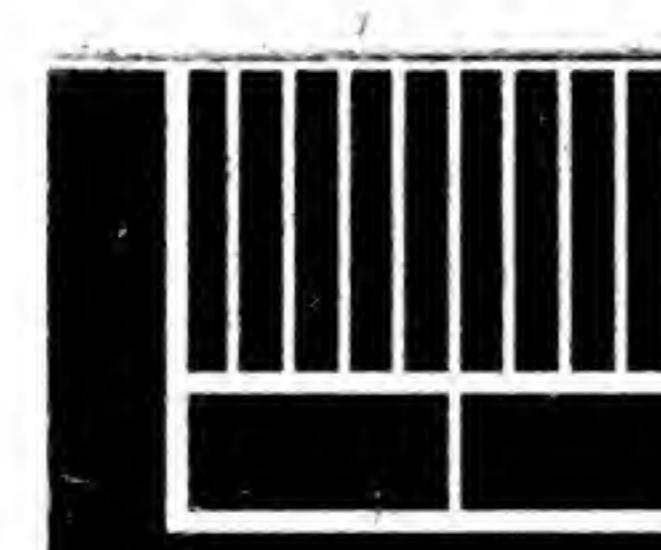
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